

# Polycin™ D-140

## polyol for sealants and adhesives

### product information

Polycin D-140 is a 100% solids, castor oil-based derivative designed for use as a polyol or reactive diluent in polyurethane systems. Polycin D-140, with its very low viscosity and secondary hydroxyl groups, will allow for the formulation of higher system solids with improved VOC reduction and longer pot-life. Polycin D-140 will also impart the beneficial properties of castor oil derivatives, such as improved flow and levelling.

### application background

- Formulation of high solids polyurethanes
- Coatings, adhesives, sealants and elastomeric formulations
- Low VOC, UV resistant industrial maintenance and OEM coatings
- Force-dry bake topcoats
- Primers for plastics and metals
- Solvent free pigment dispersions for urethane and melamine bake systems

### performance benefits

- Moisture resistance based on hydrophobic nature
- VOC and viscosity reduction in coatings, adhesives and sealants
- Improvement in flexibility, adhesion and chemical resistance
- Capable of high elongation properties
- Biodegradable and renewable source

### typical characteristics

Form	Pale, yellow liquid
Equivalent Weight	400
Functionality	2
Hydroxyl Value	145
Viscosity, cP @ 25°C	650
Acid Value	3 maximum
Gardner Color	5 maximum
Specific Gravity, 25°C/25°C	0.957
Moisture, %	0.05 maximum
Non-Volatile, %	100

### recommended use level

- Dependent on application and ingredients used
- Contact your Aurorium representative for further information.

Consult the Safety Data Sheet for hazard and regulatory information

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technical data sheet